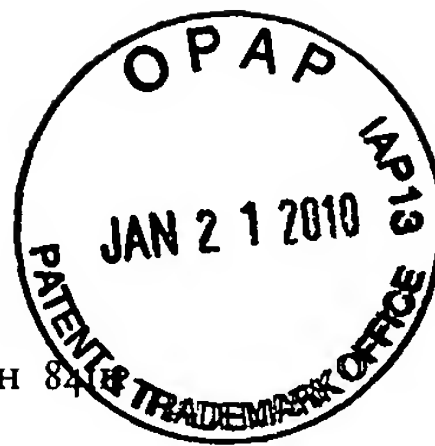




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Copy

PATENT  
Docket No. 15436.440.11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Wang et al.

Serial No.: 10/606,104

Filed: Jun. 25, 2003

Confirmation No.: 4209

For: *INP BASED LONG WAVELENGTH VCSEL*

Examiner: Minsun Harvey

Patent No.: 7,433,381 B2

Issue Date: Oct. 7, 2008

Art Unit  
2828

**REQUEST FOR A CERTIFICATE OF CORRECTION**  
**UNDER 37 C.F.R. § 1.323**

Attention: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**

JAN 25 2009

**of Correction**

Dear Commissioner:

In accordance with the provisions of 37 C.F.R. § 1.323, which implements 35 U.S.C. § 255, the Director is respectfully requested to issue a Certificate of Correction to correct mistakes in the above-identified patent. The enclosed Patent Office Form PTO/SB/44 reflects the desired corrections.

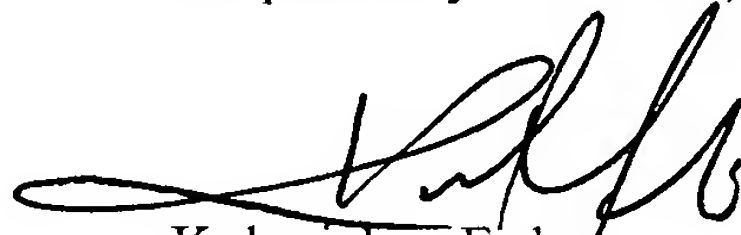
01/22/2010 MGE BREM1 00000022 7433381

Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.120(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider

this a petition therefore and charge any additional fees that may be required to Deposit Account No. 23-3178.

Dated this 7 day of JAN '10.

Respectfully submitted,



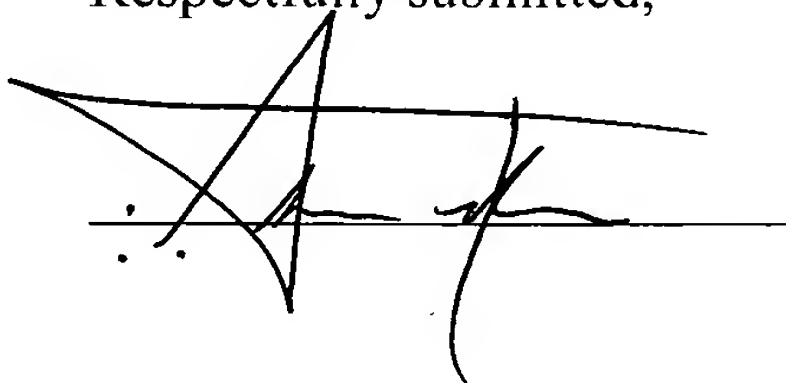
Kulaniakea Fisher  
Attorney for Applicant  
Registration No.: 50,987  
Customer No. 22913

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Fax: 801-328-1707

**CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 12<sup>TH</sup> day of JANUARY, 2010.

Respectfully submitted,



Transmitted: REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323  
PTO Form PTO/SB/44 and check No. 166603 in the amount of \$100

2643411\_1.DOC



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PATENT  
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In re application of

Wang et al.  
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Filed: Jun. 25, 2003  
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Dear Commissioner:

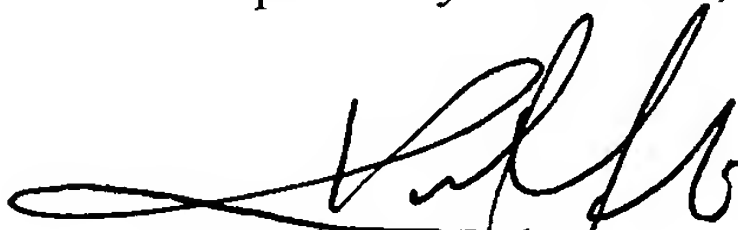
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Payment in the amount of \$100, as set forth in 37 C.F.R. § 1.20(a) is submitted herewith to cover the costs for issuance of the requested Certificate of Correction. The Commissioner is hereby authorized to charge payment of any of the following fees that may be applicable to this communication, or credit any overpayment, to Deposit Account No. 23-3178: (1) any filing fees required under 37 CFR § 1.16; (2) any patent application and reexamination processing fees under 37 CFR § 1.17; and/or (3) any post issuance fees under 37 CFR § 1.20. In addition, if any additional extension of time is required, which has not otherwise been requested, please consider

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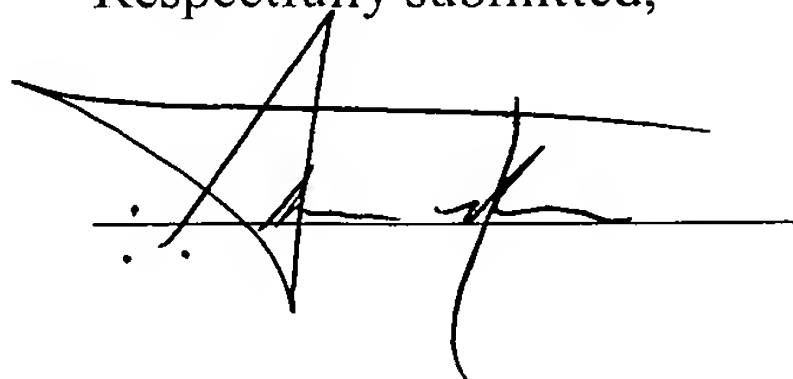
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Respectfully submitted,



Transmitted: REQUEST FOR A CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.323  
PTO Form PTO/SB/44 and check No. 166603 in the amount of \$100

2643411\_1.DOC

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,433,381 B2  
APPLICATION NO.: 10/606,104  
ISSUE DATE : Oct. 7, 2008  
INVENTOR(S) : Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### Title Page

Section 56, References Cited, U.S. Patent Documents, replace "5,719,891 \* 2/1998 Jewell ..... 372/46.013" with --5,719,891 \* 2/1998 Jewell ..... 372/45--

Section 56, References Cited, Other Publications, replace "Choquette et al., "High Single Mode Operation from Hybrid Ion Implanted/Selectively Oxidized VCSELs", 2000 IEEE 17<sup>th</sup> International Semiconductor Laser Conference, Monterrey, CA pp. 59-60." with -- Choquette et al., "High Single Mode Operation from Hybrid Ion Implanted/Selectively Oxidized VCSELs", 200 IEEE 17<sup>th</sup> International Semiconductor Laser Conference, Monterrey, CA pp. 59-60.--

Section 56, References Cited, Other Publications, replace "Morgan et al., Vertical-cavity surface emitting lasers come of age, Invited paper, SPIE, vol. 2683 0-8194-2057, Mar. 1996, pp. 18-29." with -  
-Morgan et al., "Vertical-cavity surface emitting lasers come of age", Invited paper, SPIE, vol. 2683 0-8194-2057, Mar. 1996, pp. 18-29.--

Section 56, References Cited, Other Publications, replace "Smith, R.E. et al., Polarization-Sensitive Subwavelength Antireflection Surfaces on a Semiconductor for 975 NM, *Optics Letters*, vol. 21, No. 15, Aug. 1, 1996, pp. 1201-1203." with --Smith, R.E. et al., "Polarization-Sensitive Subwavelength Antireflection Surfaces on a Semiconductor for 975 NM", *Optics Letters*, vol. 21, No. 15, Aug. 1, 1996, pp. 1201-1203.--

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Section 56, References Cited, Other Publications, include the following omitted references: --

6,704,343 B2	03/2004	Deng et al.	.....	372/97
6,810,056 B1	10/2004	Lipson et al.	.....	372/46.01
6,829,281 B2	12/2004	Deng et al.	.....	372/96
2004/0091010 A1	05/2004	Choquette et al.	.....	372/044 --

### Column 2

Line 32, change "options" to --options,--

Line 34, change "InP based mirrors" to --InP-based mirrors--

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Salt Lake City, Utah 84111

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : 7,433,381 B2

APPLICATION NO.: 10/606,104

ISSUE DATE : Oct. 7, 2008

INVENTOR(S) : Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

### Column 3

Line 33, change "upper mirror" to --upper mirror 19--

Line 35, change "trench" to --trench 23--

Line 42, change "structure 10" to --the VCSEL 10--

Line 56, change "structure 10" to --the VCSEL 10--

Line 59, change "structure 10" to --the VCSEL 10--

Line 66, change "of may be applied" to --of metal may be applied--

### Column 4

Line 6, change "Top mirror 19" to --Top mirror 19,--

Line 6, change "cavity 17" to --cavity 17,--

Line 19, change "structure 10" to --the VCSEL 10--

Line 60, change "structure 10" to --the VCSEL 10--

Line 61, change "put into and oxidizing environment" to --put into an oxidizing environment,--

### Column 5

Line 1, change "structure 10" to --the VCSEL 10--

Line 7, change "structure 10" to --the VCSEL 10--

Line 8, change "structure 10" to --the VCSEL 10--

Line 22, change "this view. But" to --this view, but--

Line 24, change "upper mirror" to --upper mirror 19--

Line 25, change "trench" to --trench 23--

Line 61, change "of may be applied" to --of metal may be applied--

### Column 6

Line 59, change "InAlAs for example" to --InAlAs, for example,--

Line 60, change "into and" to --into an--

Line 61, change "environment" to --environment,--

### Column 7

Line 8, change "structure 60 which" to --structure 60, which--

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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### Column 6

Line 59, change "InAIAs for example" to --InAIAs, for example,--

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Line 61, change "environment" to --environment,--

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Line 8, change "structure 60 which" to --structure 60, which--

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